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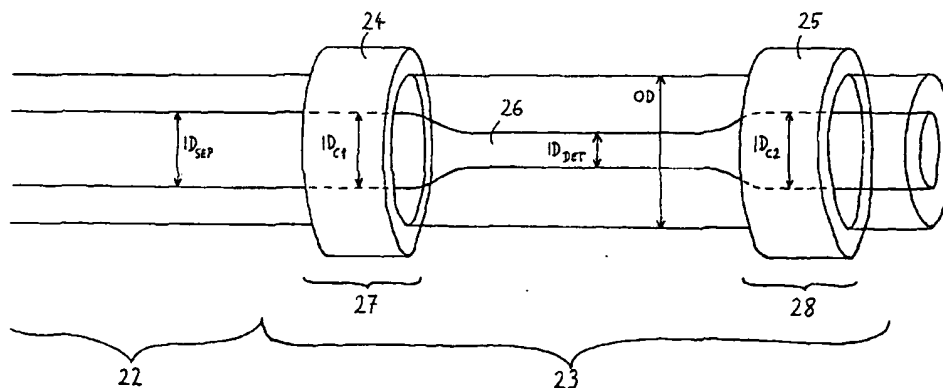
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(54) Title: CONTACTLESS DETECTION CELL



(57) Abstract: A contactless detection cell (1) for detecting an electrical property of one or more sample compounds in a flow path is described. The contactless detection cell (1) comprises a transmitter electrode (3) adapted for capacitively coupling an AC current into a detection channel (4) of the flow path, and a receiver electrode (5) adapted for receiving the AC current that has been coupled into the detection channel (4). An inner cross-section ( $ID_{DET}$ ) in at least a section of the detection channel (4) is different than an inner cross-section ( $ID_{SEP}$ ) of the flow path (2) towards the detection channel (4).